NAVY TRAINING SYSTEM PLAN

FOR THE

STRIKE FIGHTER TRAINING PROGRAM

N88 NTSP-A-50-9906/D

MARCH 2001

STRIKE FIGHTER TRAINING PROGRAM

EXECUTIVE SUMMARY

The Strike Fighter Training Program (SFTP) is a training concept designed to provide the infrastructure and support systems necessary for standardized and enhanced training at the fleet Aircrew level. The goal is to increase flight crew readiness and combat capabilities while achieving training economy and efficiency.

The Strike Fighter Training System (SFTS) is designed to provide Navy and Marine Corps F-14 and F/A-18 Aircrews with a standardized, Computer-Based Training system. Its primary features include delivery of current Interactive Courseware (ICW) and Computer Aided Instruction Materials, as well as providing a vehicle for the transmission of classified Electronic Mail. The SFTS will be available to all Strike Fighter squadrons, weapons schools, and tactics development centers. The SFTS is in an Abbreviated Acquisition program, currently in the Engineering and Manufacturing Development phase of the Weapon System Acquisition Process. Initial Operational Capability (IOC) is fourth quarter Fiscal Year (FY) 01.

The SFTP is the initial model for the Air Combat Training Continuum (ACTC) and consists of three pillars.

- The Strike Fighter Tactics Instructor (SFTI) program provides a cadre of formally trained instructors tasked to implement and administer the SFTP at the squadron and Type Wing weapons school levels.
- The Strike Fighter Weapons and Tactics (SFWT) syllabus is a comprehensive training architecture that provides a framework for unit level training and sets standards of tactical proficiency and combat readiness.
- The SFTS is a computer-based, networked training system with the architecture, equipment, and training tools required to provide real-time support to the SFTIs and fleet Aircrew, whether ashore or afloat.

A System Administrator position staffed by Government Service or Contractor personnel will be filled for each site to perform organizational level maintenance on the SFTS workstations, servers, and Local Area Network (LAN) systems. A SFTI is a second position also envisioned at those sites that will perform the courseware review and integration function.

Analysis and Technology, Inc. delivered the initial set of hardware (and the associated software) in third quarter FY98. A follow-on contract to outfit the remaining units as well as develop and implement a Training Management System (TMS) was awarded to Booz, Allen, and Hamilton, Inc. in February 1999. Both vendors will perform repairs on the SFTS, server, and LAN beyond the capability of the respective System Administrator for two years after installation. A third contract for development of the courseware that will reside on the SFTS was also awarded to Logistic Services International in February 1999.

The SFTP had no impact on existing manpower requirements for F-14 and F/A-18 communities. Selected F-14 and F/A-18 Aircrews are being trained as SFTIs, who in turn, administer the syllabus and verify the training material for accuracy. Their primary responsibilities are internal, unit-level training and external standardization and evaluation. SFTI has been assigned an Additional Qualification Designator (AQD) of DB1.

The Naval Research and Development Department of the Naval Air Systems Command was funded by the Chief of Naval Operations (N789), formerly N889, to produce a Strike Fighter Executive Steering Committee (ESC)/Program Advisory Group (PAG) Guide and a SFTS Interactive Courseware Style Guide. These guides provide initial training for the SFTS ESC and PAG. Analysis and Technology, Inc. conducted initial SFTS training in May and June 1998 for System Administrators at all Strike Fighter Weapons Schools to include Windows NT 4.0, Workstation 4.0, and Cheyenne Server back-up software. In addition to SFTS-related training, the Naval Strike and Air Warfare Center is responsible for follow-on training of SFTIs.

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LIST OF ACRONYMS

ACTC	Air Combat Training Continuum
AOB	Average Onboard
ATIR	Annual Training Input Requirement
CAI	Computer-Aided Instruction
CBT	Computer-Based Training
CIN	Course Identification Number
CINCLANTFLT	Commander in Chief, United States Atlantic Fleet
CINCPACFLT	Commander in Chief, United States Pacific Fleet
CINCUSNAVEUR	Commander in Chief, United States Naval Forces Europe
CNO	Chief of Naval Operations
COMNAVAIRLANT	Commander Naval Air Force, U. S. Atlantic Fleet
COMNAVAIRPAC	Commander Naval Air Force, U. S. Pacific Fleet
COTS	Commercial Off-The-Shelf
CPU	Central Processing Unit
CV	Aircraft Carrier
CVN	Aircraft Carrier, Nuclear
DIA	Defense Intelligence Agency
ESC	Executive Steering Committee
FRD	Functional Requirements Document
FRS	Fleet Readiness Squadron
FY	Fiscal Year
GCI	Ground Controlled Intercept
ICW	Interactive Courseware
IOC	Initial Operational Capability
IT21	Information Technology for the 21st Century
JICPAC	Joint Intelligence Center Pacific
JMEM	Joint Munitions Effectiveness Manual
LAN	Local Area Network
LRU	Lowest Replaceable Units
MACE	Missile Air Combat Evaluator

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LIST OF ACRONYMS

MAWTS	Marine Aviation Weapons and Tactics Squadron
MCAS	Marine Corps Air Station
MNS	Mission Needs Statement
NA	Not Applicable
NAF	Naval Air Facility
NALCOMIS	Naval Aviation Logistics Command Management Information System
NAS	Naval Air Station
NATOPS	Naval Air Training and Operating Procedures Standardization
NAVAIRSYSCOM	Naval Air System Command
NAWCWD	Naval Air Warfare Center Weapons Division
NSA	National Security Agency
NSAWC	Naval Strike and Air Warfare Center
NTSP	Navy Training System Plan
NAVPERSCOM	Navy Personnel Command
OPNAV	Office of the Chief of Naval Operations
OPO	Office of the Chief of Naval Operations (OPNAV) Principal Official
PAG	Program Advisory Group
PMA	Program Manager, Air
RFT	Ready For Training
SFOL	Strike Fighter On Line
SFTI	Strike Fighter Tactics Instructor
SFTP	Strike Fighter Training Program
SFTS	Strike Fighter Training System
SFTST	Strike Fighter Training System Team
SFWSL	Strike Fighter Weapons School Atlantic
SFWSP	Strike Fighter Weapons School Pacific
SFWT	Strike Fighter Weapons and Tactics
SIPRNET	Secret Internet Protocol Router Network
SME	Subject Matter Expert
SWATSLANT	Strike Weapons and Tactics School Atlantic
TACTS	Tactical Air Combat Training System
TAMPS	Tactical Aircraft Mission Planning System
TD	Training Device

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LIST OF ACRONYMS

TMS	Training Management System
TRAX	Training and Readiness Matrix
TTE	Technical Training Equipment
TYCOM	Type Commander
USS	United States Ship
WAN	Wide Area Network

STRIKE FIGHTER TRAINING PROGRAM

PREFACE

This Draft Navy Training System Plan (NTSP) for the Strike Fighter Training Program (SFTP), hereafter referred to as SFTP, has been developed to update the SFTP Draft NTSP N88-NTSP-A-50-9906/D dated September 1999. This document has been developed in accordance with guidelines set in Office of Chief of Naval Operations (OPNAV) publication P-751-1-9-97. This document reflects current SFTP logistics support requirements for training activities that provide instruction on the maintenance and operational use of the SFTP. It also identifies training courses that are affected by the SFTP.

PART I - TECHNICAL PROGRAM DATA

A. NOMENCLATURE-TITLE-PROGRAM

1. **Nomenclature-Title-Acronyms.** Strike Fighter Training Program (SFTP)

2. **Program Element.** 07500N

B. SECURITY CLASSIFICATION

1. **System Characteristics** ..... Unclassified
2. **Capabilities** ..... Unclassified
3. **Functions** ..... Unclassified

For information pertaining to Courseware, refer to Program Manager, Air (PMA) 205.

C. MANPOWER, PERSONNEL, AND TRAINING PRINCIPALS

OPNAV Principal Official (OPO) Program Sponsor ..... CNO (N789F)

OPO Resource Sponsor ..... CNO (N789F)

Developing Agency ..... NAVAIRSYSCOM (PMA205)

Training Agency ..... CINCLANTFLT
CINCPACFLT
NSAWC

Training Support Agency ..... NAVAIRSYSCOM (PMA205)

Manpower and Personnel Mission Sponsor ..... CNO (N12)
NAVPERSCOM (PERS-433, PERS-4)

Director of Naval Training ..... CNO (N795)

D. SYSTEM DESCRIPTION

1. Operational Uses. The SFTP provides the infrastructure that enables enhanced Aircrew training and standardization throughout the Navy F/A-18 and F-14 aircraft communities. It is founded on three components called "pillars":

- Strike Fighter Tactics Instructor (SFTI)
- Strike Fighter Weapons and Tactics (SFWT) Syllabus
- Strike Fighter Training System (SFTS)

The SFTP is currently designed to provide formalized instruction at the post-Fleet Readiness Squadron (FRS) level, though envisioned to eventually include the FRS syllabus as well. The goal of the SFTP is to increase Aircrew readiness and combat capabilities while achieving training economies and efficiencies. Specifically, the SFTP develops weapons employment and tactics development skills among Navy F/A-18 squadrons (both active and reserve) in addition to Navy F-14 units. SFTS implementation reaches all strike fighter squadrons, both ashore and afloat, and includes the FRS, Marine Aviation Weapons and Tactics Squadron (MAWTS) 1, the Strike Fighter Weapons Schools, the Naval Strike and Air Warfare Center (NSAWC), and Operational Test and Evaluation Squadron Nine.

Prior to July 1995, a "training continuum" for F-14 and F/A-18 Aircrew personnel did not exist, and the only formalized instruction resided at the FRS. Following FRS training, Aircrew personnel received On-the-Job Training in their respective squadrons in order to fulfill the requisite training and readiness goals as directed by the Type Commanders (TYCOMs). Instruction varied by individual units and lacked standardization. This, in turn, affected the Aircrew's ability to maintain proficiency and provided no means to adequately determine a unit's true readiness level. Additionally, there was no mechanism in place to distribute training lectures and/or courseware, nor the ability to quickly update changes to weapons, sensors, and tactics employment doctrine.

In November 1995, a Mission Need Statement (MNS) for the Fleet Aircrew Training Support System was jointly endorsed by the Commander in Chief, United States Naval Forces, Europe (CINCUSNAVEUR); Commander in Chief, United States Pacific Fleet (CINCPACFLT); and Commander in Chief, United States Atlantic Fleet (CINCLANTFLT). From that document, the Air Combat Training Continuum (ACTC) concept was established with the SFTP as the lead element. Briefly, the SFTP includes:

- **Strike Fighter Tactics Instructors.** Fully qualified Instructors who administer internal training and external standardization.

- **Strike Fighter Weapons and Tactics Syllabus.** A structured flight and simulator syllabus that ensures that Aircrews are fully trained in critical **combat** skills and are achieving the highest degree of readiness.

- **Strike Fighter Training System.** An **integrated** computer network that distributes training materials and provide the means to communicate quickly and globally in a secure environment.

The ACTC and SFTP were approved by the Naval Aviation Training Systems Advisory Group (NATSAG) and have retained a "Number One Priority" status. Subsequently, the Strike Fighter Training System Team (SFTST) was established through the collaboration of CINCPACFLT, CINCLANTFLT, and CINCUSNAVEUR. It has since evolved into the SFTP Executive Steering Committee (ESC) and its subordinate structure comprised of the Program Advisory Group (PAG) and component working groups. Principal members are:

- Commander Naval Air Force, United States Pacific Fleet (COMNAVAIRPAC)
- Commander Naval Air Force, United States Atlantic Fleet (COMNAVAIRLANT)
- NSAWC (N7)
- Representatives from the East and West Coast Air Wings
- MAWTS 1
- Strike Fighter Weapons School, Pacific (SFWSP)
- Strike Fighter Weapons School, Atlantic (SFWSL)
- Strike Weapons and Tactics School, Atlantic (SWATSLANT)

Additionally, the ESC contains advisory members from N789F, PMA205, PMA241, and PMA265.

The SFTP ESC determines and communicates actual operational training system requirements to support fleet combat readiness. Additionally, the ESC identifies and plans for future training requirements, generates standards for integration and interoperability of various training system components, and provides the focal point for selection, development, and delivery of training technology and tools in support of the SFWT syllabus. This is all part of the post-FRS training continuum concept as envisioned in the original MNS and communicated through the ACTC program. The SFTST is required to report effectiveness of the SFWT syllabus to the TYCOMs. The Chief of Naval Operations (CNO) N789, CNO N795, TYCOMs, Naval Air Warfare Center Weapons Division (NAWCWD), PMA205, PMA241, and PMA265 are supporting members of the SFTST. The supporting members provide funding, contractual, engineering, and strategic support for the F-14 and F/A-18 communities.

2. Foreign Military Sales. Foreign Military Sales have not been determined. Refer questions to PMA205-3G.

E. DEVELOPMENTAL TEST AND OPERATIONAL TEST. From April to June 2000, Booz, Allen and Hamilton, Inc. and SPAWAR performed Technical Evaluation (TECHEVAL) integrated testing of the SFTS software. Booz, Allen, and Hamilton, Inc. and SPAWAR performed OPEVAL of the SFTS hardware in July 2000.

F. AIRCRAFT AND/OR EQUIPMENT/SYSTEM/SUBSYSTEM REPLACED. Not Applicable (NA)

G. DESCRIPTION OF NEW DEVELOPMENT

1. Functional Description. As mentioned in the preceding section, the SFTP is comprised of three distinct components. Their specific functions and intents are defined below:

a. Strike Fighter Tactics Instructor. The SFTI course objective is to graduate officers who are fully qualified and capable to plan, instruct, and execute the strike fighter mission via the SFWT syllabus. The course includes flight instruction, command and control integration, strike planning, and academics. The course will be conducted as often as required to provide one SFTI per squadron every 18 months. The NSAWC implements and promulgates candidate prerequisites, the SFTI course syllabus, and class quota control. The Type Wing Commander promulgates and oversees the SFTI applicant selection process. The NSAWC and Type Wing Commanders provide input to Navy Personnel Command (NAVPERSCOM) concerning SFTI career paths and distribution.

b. Strike Fighter Weapons and Tactics Syllabus. The SFWT is a comprehensive training, qualification, and certification syllabus that includes academics, simulators, flights, and external standard evaluation sorties. The syllabus objective is to maximize tactical proficiency and increase combat effectiveness. A four-tiered approach in designation of Aircrew will be employed. Current SFWT designations include:

- Level I (FRS complete)
- Level II (Tactical Wingman)
- Level III (Section Lead)
- Level IV (Division Lead/Mission Commander)
- Level V (SFTI designation)

The SFWT syllabus and associated qualification and currency guidance will be promulgated via a joint Type Wing instruction. Aviation Type Commander/NSAWC function in an advisory role to ensure concurrence with Training and Readiness directives and the SFTI training syllabus.

c. Strike Fighter Training System. The SFTS includes the technology, materials, organizational structure, and inherent processes that are integrated to provide effective program management and oversight that prioritizes and approves requirements and allocates resources. It enables syllabus and courseware development processes, and produces a repository that delivers high quality training materials to fleet Aviators. Furthermore, it provides a tracking system that quickly, easily, and accurately manages Flight Crew SFWT status, evaluates their performance, and identifies training strengths and weaknesses. Finally, it provides a distributed network that allows classified connectivity between the local weapon school and squadrons, between the various weapon schools nation-wide, and between deployed squadrons (ashore and afloat).

(1) Work Stations, Laptops, and Development Stations. SFTS Workstations, Laptops, and Development Stations are composed of Commercial Off-The-Shelf (COTS) hardware and software. All COTS hardware and software meets or exceed the minimum requirement in accordance with the Navy's Information Technology for the 21st century (IT21) specifications that support the delivery, training management, and administration requirements. IT21 specifications were implemented and approved by Department of the Navy Chief of Information Office. IT21 specifications will be periodically updated in order to keep up with current technology.

All SFTS Workstations, Laptops, and Development Stations will be fully accessible to the classified Local Area Network (LAN), and Secret Internet Protocol Router Network (SIPRNET) Wide Area Network (WAN). Workstations and Laptops will be used by the Aircrew for training and SFTIs to manage the SFWT syllabus and Aircrew qualifications at F-14 and F/A-18 squadrons and all Strike Fighter Weapons Schools. Development Stations will be used by all Strike Fighter Weapons Schools to develop and update SFWT syllabus courseware.

(2) Developmental Station Courseware. The Training Generation Subsystem provides software for the Development Stations to develop SFWT syllabus courseware and is designed to provide the following:

- Courseware development mapping to post-FRS schools.
- Standardization and data accuracy of the SFWT syllabus courseware.
- Low-end flight simulation for the SFWT syllabus and for event rehearsal.
- Automated revision capability that allows for primary and secondary Subject Matter Experts (SMEs) to review, revise, and approve material submitted from any SFTS user for inclusion as training material (Computer-Aided Instruction (CAI) only).
- Lessons learned and SME's feedback data into the development process.
- Desktop publishing tools including word processing, script development, document preparation, and printing support software.
- Web related software including HyperText Markup Language (HTML), editors, browsers, and JavaScript.
- Audio and video tools including capture playback, and generation tools. The SFTS will have the capability to convert live video to static and dynamic images for inclusion in presentations and briefings.
- Graphical application generators include Power Builders, Visual Basic, Visual C++, and JavaScript.
- Graphics software with the following capabilities: image capture and processing, illustration, painting, animation, 3-D video generation, 3-D animation, and scanning.

- Virtual reality support, including the ability to pick up three dimensional objects and view them from any angle, take the object apart or assemble it, see basic fighter maneuvers or tactics play in real-time, and change their position in space to alter the view in real-time.
- Briefing generations and presentations to include preparation of slides and viewgraphs.
- Dreamweaver enables linking from a graphical environment to the underlying data in a database.
- A computer assisted software engineering tool for managing the development of computer courseware (CAI only).
- Dreamweaver supports multi-platform development and delivery.

(3) Workstation Courseware. The Training Presentation Subsystem provides training tools for F-14 and F/A-18 squadrons and Strike Fighter Weapons Schools. Squadrons and Strike Fighter Weapons Schools provide support for individual study, Instructor preparation, course presentation, post-training event evaluation, and feedback. The Training Presentation Subsystem provides the following specific support tools:

- Individual, self-paced courseware training for squadrons and Strike Fighter Weapons Schools.
- Small group prepackaged (e.g., PowerPoint presentations) training for squadron Aircrews.
- Large group presentations using multimedia, low-end simulation, and other state-of-the-art training technologies for Strike Fighter Weapons Schools and squadrons.
- Low-end weapon system rehearsal for squadron Aircrews and Strike Fighter Weapons Schools.
- Training event briefing and debriefing component for squadron Aircrews and Strike Fighter Weapons Schools.
- Training evaluation component for squadron Aircrews and Strike Fighter Weapons Schools.
- Master and slave machine mode for setting up and observing Aircrew on-line activity for Strike Fighter Weapons Schools.

(4) Training Management Subsystem. The Training Management Subsystem is Strike Fighter On Line (SFOL). SFOL is a web-based training and learning management portal that permits Aircrew to access and manage training materials, courseware, and training records in a secure, on-line environment. A Relational Database Management System (RDBMS) supports SFTS, providing a variety tools for Aircrew and staffs to maintain and process training data to enhance community knowledge management and decision-making initiatives. Capabilities include:

- Facilitating training scheduling by automating training events. The Training Management Subsystem manages resource scheduling and resolves scheduling conflicts, and then generates schedules for training.
- Administering and tracking Aircrew training. Provides a full spectrum management from ground-based training through the briefing for a training event, the event, and post-event debriefing process, including tools for reviewing Aircrew progress and remediation.
- Assessing training system effectiveness, and providing tools for measuring and reporting squadron readiness.
- Managing, measuring, and reporting all Aircrew qualifications, proficiency, and currency, ensuring that access to squadron level data is controlled so that all data is available at the squadron level, but access by others is limited.

(a) Information Management Subsystem. The Information Management Subsystem's purpose is to:

- Collect, organize, collate, and maintain SFTS data.
- Disseminate data as on-line displays, reports, graphical images, audio-video, and other animated presentation styles.
- Store reference material. All technical, tactical, and operational doctrines that support the SFTS are stored in the SFTS database as well as SME data, aircraft and weapon systems data, and data specific to each of the SFTS Subsystems.

(b) System Administration and Maintenance Subsystem. The System Administration and Maintenance Subsystem provides SFTIs and Computer Operators the ability to perform system administration and maintenance at their activity to include:

- Controlling system access.
- Monitoring performance.
- Performing system operations tasks.
- Administering the SFTS, the SIPRNET WAN, and LAN.
- Ensuring system security.

2. Physical Description

a. Workstations, Development Stations, and Laptops. Per IT21, at a minimum, SFTS Workstations and Development Stations are comprised of the following:

NOMENCLATURE	WORKSTATION
Central Processing Unit (CPU)	Hewlett Packard Medium Tower Case with a Four-Gigabyte Removable Hard Drive
Monitor	17-Inch Color Display
Keyboard-Mouse	Standard
Software	Windows NT Workstation 4.0, MS Office Pro 97, MS Exchange 5.0 Electronic Mail (e-mail), and McAfee Anti-Virus

NOMENCLATURE	LAPTOP
CPU	Panasonic with Four Gigabytes Hard Drive
Monitor	14.1-Inch Display
Keyboard-Mouse	Standard
Software	Windows NT Workstation 4.0, MS Office Pro 97, MS Exchange 5.0 e-mail, and McAfee Anti-Virus

NOMENCLATURE	DEVELOPMENT STATION
CPU	Hewlett Packard Medium Tower Case with a Four-Gigabyte Removable Hard Drive
Monitor	17-Inch Color Display
Keyboard-Mouse	Standard
Software	Meta Creation Painter 5.0, Bryce 3D program 3.1, Adobe Photo Shop 4.01, Adobe Illustrator 7.0, Adobe Premiere 5.0, Adobe After Affect 3.1, Auto Disk 3D Studio Max R2, Auto Des. Sys Form Z 2.95, Macro Media Director 6.0, Authorware 4.0, Sound Forge XP 3.0, and Meta Tool Poser 2.0

3. New Development Introduction. The SFTP is a new production program designed to standardize the current fleet training requirements and qualification standards at squadrons and Strike Fighter Weapons Schools. Introduction of SFTIs to the fleet began in third quarter Fiscal Year (FY) 95 and training of new SFTIs continue indefinitely. Introduction of the SFWT syllabus

to the fleet began in fourth quarter FY95. SFWT will become a series of Interactive Courseware (ICW) lessons and CAI lectures delivered by the SFTS. Completion of the initial set of courses is expected in fourth quarter FY01 with ongoing revision of the syllabus. The first installation of SFTS equipment to the Strike Fighter Weapons Schools was completed in June 1998.

4. Significant Interfaces. The SFTP is a new program that introduces Computer-Based Training (CBT) and CAI, and will serve as the benchmark or prototype program for all other programs developed for the ACTC. SFTP requires SFTS compliance with Internet protocols, Intelligence Services, Maintenance Management Data, Weapon System Databases, Brief-Debrief Services, Aircraft and Mission Planning Services, and Joint United States Air Force/Multi-national Tactical Systems through use of the LAN and SIPRNET WAN to reach full operating potential. This infrastructure is necessary if realistic F/A-18 and F-14 mission planning and training functions are to be achieved. Figure I-1 illustrates the relationship of each interface to SFTS:

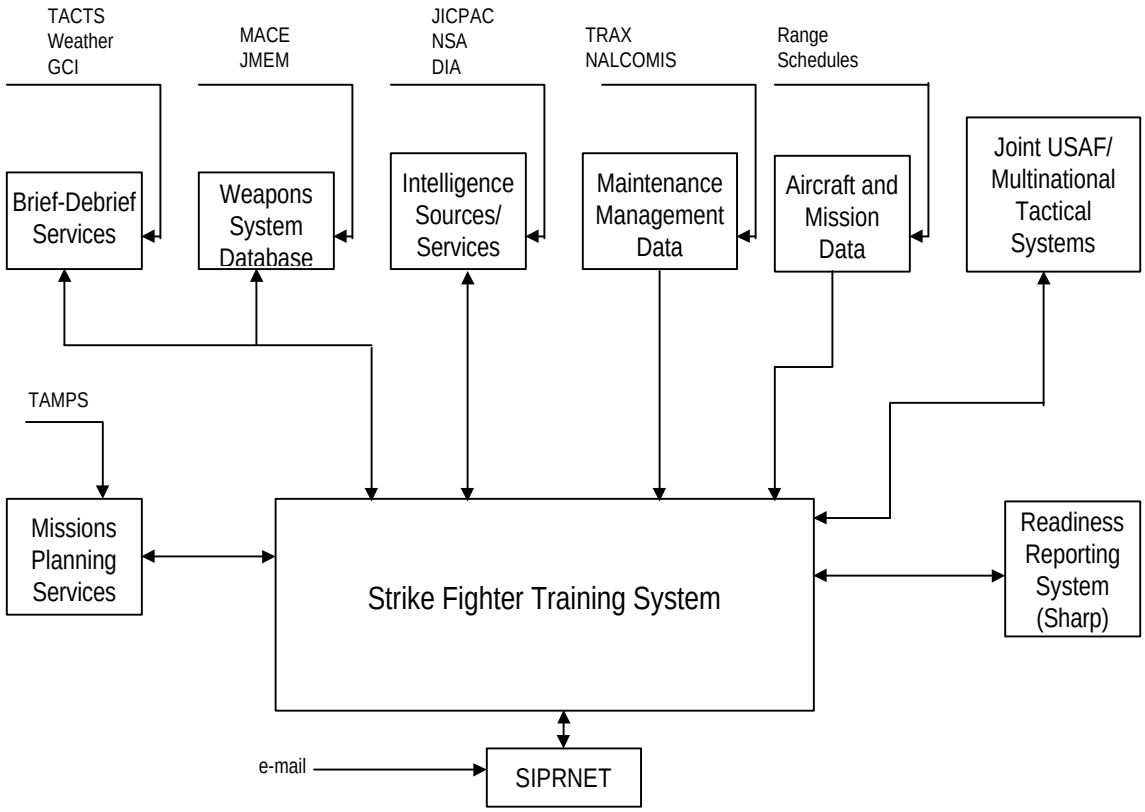

FIGURE I-1: SFTS INTERFACE RELATIONSHIPS

a. Strike Fighter On Line Server. The SFTS has a database, file, print, and communication server at every SFTS location afloat and ashore. All servers will remain in a secure location. Each server will have two sets of duplicate hardware that will meet the requirements of IT21 specifications at the time of delivery. The duplicate hardware will consist of:

- Two 17-Inch Color Monitors

- Up to four co-resident Central Processor Units, with 128 megabytes of Random Access Memory
- Open System (Windows NT) computers with the following requirements:
    - ◊ Processor speed will be sufficient to support high bandwidth file and database access/transfers by 32 simultaneous users
    - ◊ Fast and wide ultra hard drive interfaces
    - ◊ Network interface cards to support high bandwidth LAN/WAN communication
    - ◊ Baud rate of FAX modem is 256 kilobytes per second
- External removable hard drive arrays, with storage capacity of 4 gigabytes
- Personal Computer Interconnect bus architecture
- External Compact Disc-Read Only Memory carousels to support four simultaneously mounted CD-ROMs
- Digital audio tape drives

b. Local Area Network. The SFTS LAN uses a network encryption device (STU III) for secure and unsecure modes to protect from external sources. The LANs feature IT21 high-speed fiber optics technology to support real-time video presentations and televideo conferencing at each SFTS Workstation. A System Administrator will be required full-time to maintain the SFTS LAN system.

c. Secret Internet Protocol Router Network Wide Area Network. The SIPRNET WAN will be used for secure modes to protect from external sources. The SIPRNET WAN will use satellites at high-speed to support SFTS worldwide for full duplex televideo conference, real-time collaborative training development, and e-mail to transfer mail. Figure I-2 illustrates how SIPRNET WAN will link F-14 and F/A-18 communities and Strike Fighter Weapons Schools:

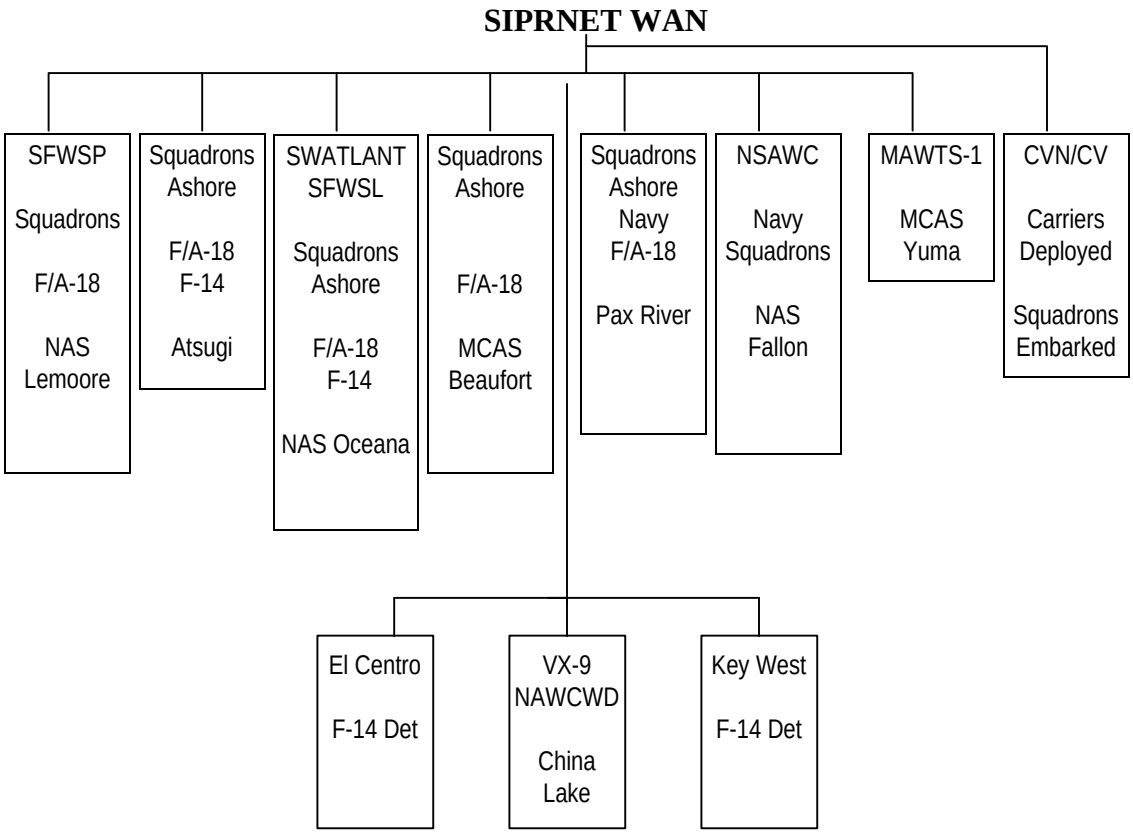

FIGURE I-2: SIPRNET WAN LINK TO F-14 AND F/A-18 COMMUNITIES AND STRIKE FIGHTER WEAPONS SCHOOLS

5. New Features, Configurations, or Material. NA

H. CONCEPTS

1. Operational Concept. The SFTP is being funded by CNO N789 during the implementation of the program and administered by NAVAIRSYSCOM PMA205. In FY01, the appropriate TYCOM and NSAWC will assume operation and support of the program.

The SFTP is managed by the individual TYCOMs with the assistance of the PAG/ESC. The PAG/ESC is responsible to ensure effectiveness of the SFWT syllabus and for relaying to TYCOMs the needs of the program to achieve MNS goals.

The SFTIs at the Strike Fighter Weapons Schools operate the SFTS to train students and update the SFWT syllabus. The SFTIs at the squadrons will operate the SFTS to manage and monitor Aircrew training using the SFWT syllabus. The system will have the capability of operating 24-hours per day.

2. Maintenance Concept

a. Organizational. A System Administrator will be performing organizational level maintenance on SFTSs, servers, and LANs at each site. Organizational level maintenance consists of removal and replacement of Lowest Replaceable Units (LRU) at the equipment level (i.e., CPU, monitor, keyboard, printer, etc.). The SFTS will use fault isolation software to diagnose and locate failed units.

A Software Training System Administrator will be located at NSAWC Naval Air Station (NAS) Fallon, Nevada, and will be utilized on a call need basis to perform any necessary repairs to the SFOL systems.

(1) Preventive Maintenance. Preventive maintenance actions will consist of scheduled system backups, periodic defragmentation of disk drives, and general cleaning.

(2) Corrective Maintenance. Corrective maintenance will consist of replacing failed LRUs and rebuilding of corrupted files.

b. Intermediate. NA

c. Depot. Depot level repair of the SFTS will be conducted by a contractor for two years. At that time the individual TYCOMs and NSAWC will determine the repair facility.

d. Interim Maintenance. Booz, Allen, and Hamilton, Inc. is considered the interim maintenance activity for the SFTS hardware and associated Training Management System (TMS).

e. Life Cycle Maintenance Plan. Components will be repaired or replaced as they fail.

3. Manning Concept. The SFTS has no impact on existing manpower requirements for F-14 and F/A-18 communities. Existing Pilots at F-14 and F/A-18 squadrons and all Strike Fighter Weapons Schools are selected to receive training as a SFTI for their activity. These selected Aircrews will administer the syllabus and verify the training material for accuracy. “DB1” is the Additional Qualification Designator (AQD) for SFTI.

NSAWC is responsible for training the SFTIs. SFTI billets at all Strike Fighter Weapons Schools and in every F-14 and F/A-18 squadron have been detailed to be filled.

The following are the minimum requirements to attend SFTI courses:

- Endorsement by Commanding Officer, Air Wing Commander, or Type Wing Commander focusing on leadership, tactical ability, aviation skills, and instructing capability.

- Selection by Semiannual Type Wing selection board, which will convene prior to class convening dates for the purpose of selecting and prioritizing a list of SFTI candidates for each class.
- Acknowledging acceptance to the SFTI course requires a 24-month active duty obligation after completion of the SFTI course.

4. Training Concept. The NSAWC provides follow-on training for all SFTIs for all Strike Fighter Weapons Schools in the F-14 and F/A-18 communities. The SFTIs are responsible for training Aircrews, managing the SFWT syllabus at their sites, and serving as the cornerstone of the SFTS program. The SFTIs develop and retain expert knowledge, core competencies, and maintain program continuity. SFTIs at NSAWC are SMEs, who are the hub for weapons and tactical information flow to and from fleet SFTIs.

The SFWT syllabus provides Aircrews a core qualification and certification process and is a standardized CBT syllabus for operational fleet F-14 and F/A-18 squadrons. The SFWT syllabus includes formalized academics, simulators, flights, and external standardization evaluation sorties within a five-tiered approach as follows:

- Level I: FRS Complete
- Level II: Tactical Wingman
- Level III: Section Lead
- Level IV: Division Lead/Mission Commander
- Level V: Strike Fighter Tactics Instructor

Aircrew training records will be maintained on all Aircrew members at their respective squadrons. Coordination of the Aircrew training as recorded by the SFTS TMS will be conducted with the TYCOM Readiness Management System. These records are part of the database and will be used to track the following information:

- Qualification
- Syllabus Events
- Open and Closed Book Examinations
- Event Grade Sheets
- Certifications
- Unsatisfactory Events
- External Standard Evaluations
- Level 2, 3, and 4 Wing Recommendations
- Individual and Unit Level Training Readiness
- Lectures

a. Initial Training. The Naval Research and Development Department of the Naval Air Systems Command was funded by PMA205 to produce a SFTST Guide and SFTS Interactive Course Style Guide. This action provided initial training for the SFTP ESC on the development of ICW. Analysis and Technology, Inc. provided initial SFTS training for System Administrators at all Strike Fighter Weapons Schools on Windows NT 4.0, Workstation 4.0, and

Cheyenne Server Back-up from May to June 1998. The initial training length varied, depending on the level of experience of the System Administrators and was recorded as follows: NSAWC (three days), SFWSP (one and a one half days), SFWSL (one and one half days), and SWATSLANT (ten days). Initial fleet training began upon system delivery in third quarter FY00.

b. Follow-on Training. The SFTI course is an existing course with the Course Identification Number (CIN) pending approval by OPNAV N789. The CIN below was assigned only for tracking purposes in this document:

(1) Operator

Title	**Topgun Strike Fighter Tactics Instructor (Navy)**
CIN	S-2A-XXXX, (CIN pending approval)
Model Manager ..	NSAWC NAS Fallon
Description	Using the SWFT syllabus, this course provides standardized training to Navy F-14 and F/A-18 Pilots in the knowledge and skills required to perform as a SFTI in the fleet and at the Strike Fighter Weapons Schools.
Location	NSAWC NAS Fallon
Length	68 days
RFT date	Currently available under interim approval
Skill identifier	1311
TTE/TD	° Squadron supplied F-14 and F/A-18 aircraft as applicable ° Workstations ° Development Stations
Prerequisites	Qualified F/A-18 or F-14 Pilot

c. Student Profiles

SKILL IDENTIFIER	**PREREQUISITE SKILL AND KNOWLEDGE REQUIREMENTS**
F-14 Pilot 1311	° Q-2A-0001, Primary Flight Training ° Q-2A-0010, Joint T-34C Intermediate Flight Training ° Q-2A-0006, Advanced Strike ° E-2D-0032, Survival, Evasion, Resistance, and Escape Training ° J-495-0413, Shipboard Aircraft Firefighting

SKILL IDENTIFIER	PREREQUISITE SKILL AND KNOWLEDGE REQUIREMENTS
F/A-18 Pilot 1311	° Q-2A-0001, Primary Flight Training ° Q-2A-0010, Joint T-34C Intermediate Flight Training ° Q-2A-0006, Advanced Strike ° E-2D-0032, Survival, Evasion, Resistance, and Escape Training ° J-495-0413, Shipboard Aircraft Firefighting

d. Training Pipelines. S-2A-XXXX is an existing stand-alone course with CIN pending approval. The F-14 and F/A-18 pipeline training tracks are not affected by this program.

I. ONBOARD (IN-SERVICE) TRAINING

1. Proficiency or Other Training Organic to the New Development. SFTS is an onboard proficiency CBT system that utilizes various interface services accessible at each workstation and available at each site. The SFTI must establish the SFTS program at each site to ensure continued proficiency of assigned Aircrews.

a. Maintenance Training Improvement Program. NA

b. Aviation Maintenance In-Service Training. NA

2. Personnel Qualification Standards. NA

3. Other On-Board or In-Service Training Packages. NA

J. LOGISTICS SUPPORT

1. Manufacturer and Contract Numbers. Analysis and Technology, Inc. is under contract to install, maintain, and provide initial training on the SFTS at all Strike Fighter Weapons Schools for the next two years.

CONTRACT NUMBER	MANUFACTURER	ADDRESS
N66604-95-D-0047-0112	Analysis and Technology, Inc.	2650 Camino Del Rio North # 201 San Diego, CA 92108
N0001999RXBS88A	Booz, Allen, and Hamilton, Inc.	1615 Murray Canyon Road Suite 800 San Diego, CA 92108

CONTRACT NUMBER	MANUFACTURER	ADDRESS
N0001999RXBS87A	Logistics Services International	6200 Lake Gray Boulevard Jacksonville, FL 32244-5896

2. Program Documentation. Program documentation includes:

- CINCUSNAVEUR, CINCPACFLT, and CINCLANTFLT Draft MNSs, November 1995
- Strike Fighter Training Program Technical Report, N00421-95-D-1001, approved September 1997
- Commander, Naval Air Force US Pacific Fleet Functional Requirements Document (FRD) Version 2 update, approved August 1999
- F-14 NTSP, N88-A-50-8511B/A, approved March 2000
- F/A-18 Draft NTSP, N88-NTSP-A-50-7703H/D, November 2000

3. Technical Data Plan. F-14 and F/A-18 Pilots utilize the F-14 and F/A-18 Naval Air Training and Operating Procedures Standardization (NATOPS) manual they are issued and the instructions listed in element IV.B.3.

4. Test Sets, Tools, and Test Equipment. NA

5. Repair Parts. SFTS will be composed of COTS and Government Furnished hardware and COTS software that support delivery, training management, and administration requirements. The maintenance and repair costs of the SFTS will be funded by PMA205 through FY01. Maintenance and repair cost after FY01 will be funded by the TYCOMs.

6. Human Systems Integration. NA

K. SCHEDULES

1. Installation and Delivery Schedules. Navy and Marine Corps Bases listed in the table below received servers, LAN, and SIPRNET WAN hardware to support the SFTS. The Aircraft Carriers only received servers and drops to the ready rooms along with the existing LANs, and SIPRNET WANs to support the SFTS. The Strike Fighter Weapons Schools in the table below had SFTS installed in June 1998, and the Navy Bases they are attached to had supporting hardware installed at the same time. The squadrons that will have SFTS installed at their sites are listed in element II.A.1.a.

DELIVERY AND INSTALLATION SCHEDULE (HARDWARE AND SOFTWARE)

	FY98				FY99				FY00				FY01			
ACTIVITY **QUARTER:**	**1**	**2**	**3**	**4**	**1**	**2**	**3**	**4**	**1**	**2**	**3**	**4**	**1**	**2**	**3**	**4**
NSAWC NAS Fallon, Nevada												**X**				
SFWSL NAS Oceana, Virginia												**X**				
SFWSP NAS Lemoore, California												**X**				
SWATSLANT NAS Oceana, Virginia												**X**				
NAWCWD China Lake, California												**X**				
MAWTS 1, Yuma, Arizona											**X**					
MCAS Beaufort, South Carolina											**X**					
NAS Oceana, Virginia			**X**													
Naval Air Facility (NAF) Atsugi, Japan											**X**					
Aircraft Carrier (CV) 63, United States Ship (USS) Kitty Hawk														**X**		
Aircraft Carrier, Nuclear (CVN) 65, USS Enterprise														**X**		
CV 67, USS John F. Kennedy														**X**		
CVN 68, USS Nimitz														**X**		
CVN 69, USS Dwight D. Eisenhower														**X**		
CVN 70, USS Carl Vinson														**X**		
CVN 71, USS Theodore Roosevelt														**X**		
CVN 72, USS Abraham Lincoln														**X**		
CVN 73, USS George Washington														**X**		
CVN 74, USS John C. Stennis														**X**		

		FY98				FY99				FY00				FY01			
ACTIVITY	**QUARTER:**	**1**	**2**	**3**	**4**	**1**	**2**	**3**	**4**	**1**	**2**	**3**	**4**	**1**	**2**	**3**	**4**
CVN 75, USS Harry S. Truman															**X**		

ICW and CAI are made up of several courses and lectures. As each product is completed, it will be delivered to the appropriate weapon school for review. Upon approval by the cognizant SME, the ICW and CAI will be placed on the network and considered ready for training. The initial ICW and CAI began delivery in third quarter FY99 and delivery will be completed during fourth quarter FY01.

DELIVERY AND INSTALLATION SCHEDULE (COURSEWARE)

COURSEWARE	**FY99**				**FY00**				**FY01**			
QUARTER:	**1**	**2**	**3**	**4**	**1**	**2**	**3**	**4**	**1**	**2**	**3**	**4**
Interactive Courseware			**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	IOC
Computer Aided Instruction			**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	IOC

2. Ready For Operational Use Schedule. Installation of hardware and software will be required at each activity. SFTS will be ready for operational use upon completion of installation.

3. Time Required to Install at Operational Sites. Hardware installation time varies, depending on currently existing hardware at each activity.

4. Foreign Military Sales and Other Source Delivery Schedule. NA

5. Training Device and Technical Training Equipment Delivery Schedule. Refer to Part IV, element IV.A.1 for applicable Technical Training Equipment (TTE). There are no Training Devices (TD) associated with SFTS.

L. GOVERNMENT FURNISHED EQUIPMENT AND CONTRACTOR FURNISHED EQUIPMENT TRAINING REQUIREMENTS. NA

M. RELATED NTSPs AND OTHER APPLICABLE DOCUMENTS

DOCUMENT OR NTSP TITLE	DOCUMENT OR NTSP NUMBER	PDA CODE	STATUS
FRD	NA	COMNAVAIRPAC	Approved Aug 99
Strike Fighter Training Program Instruction	COMNAVAIRPAC INST 1525.1B COMNAVAIRLANT INST 1525.1B NSAWCINST 1525.1	COMNAVAIRPAC COMNAVAIRLANT NSAWC	Signed Aug 98
Strike Fighter Training Program Technical Report	N00421-95-D-1001	PMA205	Approved Sep 97
F-14A, F-14B, and F-14D Aircraft NTSP	NTSP-A-50-8511C/D	PMA241	Draft Feb 01
F/A-18 Weapon System NTSP	NTSP-A-50-9201H/D	PMA265	Draft Nov 00
Mission Need Statement	NA	CINCUSNAVEUR, CINCPACFLT, and CINCLANTFLT	Nov 95

PART II - BILLET AND PERSONNEL REQUIREMENTS

The following elements are not affected by the SFTP, and therefore, are not included in Part II of this NTSP.

II.A. Billet Requirements

II.A.2.a. Operational and Fleet Support Activity Deactivation Schedule

II.A.2.b. Billets to be Deleted in Operational and Fleet Support Activities

II.A.2.c. Total Billets to be Deleted in Operational and Fleet Support Activities

PART II - BILLET AND PERSONNEL REQUIREMENTS

II.A. BILLET REQUIREMENTS

II.A.1.a. OPERATIONAL AND FLEET SUPPORT ACTIVITY ACTIVATION SCHEDULE

BILLET SOURCE: NAVPERSCOM (PERS-433) **DATE:** 4/1/1998

ACTIVITY, UIC		PFYs	CFY01	FY02	FY03	FY04	FY05
OPERATIONAL ACTIVITIES - NAVY							
VF 101	09067	1	0	0	0	0	0
VF 102	09717	1	0	0	0	0	0
VF 103	09718	1	0	0	0	0	0
VF 11	09560	1	0	0	0	0	0
VF 14	09084	1	0	0	0	0	0
VF 143	09281	1	0	0	0	0	0
VF 2	09113	1	0	0	0	0	0
VF 211	09086	1	0	0	0	0	0
VF 213	09934	1	0	0	0	0	0
VF 31	09473	1	0	0	0	0	0
VF 32	09053	1	0	0	0	0	0
VF 41	09774	1	0	0	0	0	0
VF 101 Detachment	47788	1	0	0	0	0	0
VFA 105	65183	1	0	0	0	0	0
VFA 106	65550	1	0	0	0	0	0
VFA 131	63934	1	0	0	0	0	0
VFA 136	55141	1	0	0	0	0	0
VFA 15	09015	1	0	0	0	0	0
VFA 37	09478	1	0	0	0	0	0
VFA 81	09221	1	0	0	0	0	0
VFA 82	09122	1	0	0	0	0	0
VFA 83	09223	1	0	0	0	0	0
VFA 86	09943	1	0	0	0	0	0
VFA 87	63922	1	0	0	0	0	0
VX 9	55646	1	0	0	0	0	0
VF 154	09678	1	0	0	0	0	0
VFA 113	09092	1	0	0	0	0	0
VFA 115	09604	1	0	0	0	0	0
VFA 122	09355	1	0	0	0	0	0
VFA 125	65559	1	0	0	0	0	0
VFA 137	55142	1	0	0	0	0	0
VFA 146	09063	1	0	0	0	0	0
VFA 147	63925	1	0	0	0	0	0
VFA 151	09558	1	0	0	0	0	0
VFA 192	09076	1	0	0	0	0	0
VFA 195	09706	1	0	0	0	0	0
VFA 22	09561	1	0	0	0	0	0
VFA 25	09637	1	0	0	0	0	0
VFA 27	65185	1	0	0	0	0	0
VFA 94	09295	1	0	0	0	0	0

II.A.1.a. OPERATIONAL AND FLEET SUPPORT ACTIVITY ACTIVATION SCHEDULE

BILLET SOURCE: NAVPERSCOM (PERS-433) **DATE:** 4/1/1998

ACTIVITY, UIC		PFYs	CFY01	FY02	FY03	FY04	FY05
VFA 97	63923	1	0	0	0	0	0
TOTAL:		41	0	0	0	0	0
FLEET SUPPORT ACTIVITIES - NAVY							
Strike Fighter Weapons School Atlantic	47084	1	0	0	0	0	0
SWATSLANT, NAS Oceana	47157	1	0	0	0	0	0
NSAWC	69190	1	0	0	0	0	0
Strike Fighter Weapons School Pacific	35185	1	0	0	0	0	0
TOTAL:		4	0	0	0	0	0

Note: The Commands listed in this section will have SFTS installed.

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
OPERATIONAL ACTIVITIES - NAVY					
VF 101, 09067					
ACDU	1	0	1311		
ACTIVITY TOTAL:	1	0			
VF 102, 09717					
ACDU	1	0	1311		
ACTIVITY TOTAL:	1	0			
VF 103, 09718					
ACDU	1	0	1311		
ACTIVITY TOTAL:	1	0			
VF 11, 09560					
ACDU	1	0	1311		
ACTIVITY TOTAL:	1	0			
VF 14, 09084					
ACDU	1	0	1311		
ACTIVITY TOTAL:	1	0			
VF 143, 09281					
ACDU	1	0	1311		
ACTIVITY TOTAL:	1	0			
VF 2, 09113					
ACDU	1	0	1311		
ACTIVITY TOTAL:	1	0			
VF 211, 09086					
ACDU	1	0	1311		
ACTIVITY TOTAL:	1	0			
VF 213, 09934					
ACDU	1	0	1311		
ACTIVITY TOTAL:	1	0			

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
VF 31, 09473					
ACDU	1	0	1311		
ACTIVITY TOTAL:	1	0			
VF 32, 09053					
ACDU	1	0	1311		
ACTIVITY TOTAL:	1	0			
VF 41, 09774					
ACDU	1	0	1311		
ACTIVITY TOTAL:	1	0			
VF 101 Detachment, 47788					
ACDU	1	0	1311		
ACTIVITY TOTAL:	1	0			
VFA 105, 65183					
ACDU	1	0	1311		
ACTIVITY TOTAL:	1	0			
VFA 106, 65550					
ACDU	1	0	1311		
ACTIVITY TOTAL:	1	0			
VFA 131, 63934					
ACDU	1	0	1311		
ACTIVITY TOTAL:	1	0			
VFA 136, 55141					
ACDU	1	0	1311		
ACTIVITY TOTAL:	1	0			
VFA 15, 09015					
ACDU	1	0	1311		
ACTIVITY TOTAL:	1	0			

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
VFA 37, 09478					
ACDU	1	0	1311		
ACTIVITY TOTAL:	1	0			
VFA 81, 09221					
ACDU	1	0	1311		
ACTIVITY TOTAL:	1	0			
VFA 82, 09122					
ACDU	1	0	1311		
ACTIVITY TOTAL:	1	0			
VFA 83, 09223					
ACDU	1	0	1311		
ACTIVITY TOTAL:	1	0			
VFA 86, 09943					
ACDU	1	0	1311		
ACTIVITY TOTAL:	1	0			
VFA 87, 63922					
ACDU	1	0	1311		
ACTIVITY TOTAL:	1	0			
VX 9, 55646					
ACDU	1	0	1311		
ACTIVITY TOTAL:	1	0			
VF 154, 09678					
ACDU	1	0	1311		
ACTIVITY TOTAL:	1	0			
VFA 113, 09092					
ACDU	1	0	1311		
ACTIVITY TOTAL:	1	0			

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
VFA 115, 09604					
ACDU	1	0	1311		
ACTIVITY TOTAL:	1	0			
VFA 122, 09355					
ACDU	1	0	1311		
ACTIVITY TOTAL:	1	0			
VFA 125, 65559					
ACDU	1	0	1311		
ACTIVITY TOTAL:	1	0			
VFA 137, 55142					
ACDU	1	0	1311		
ACTIVITY TOTAL:	1	0			
VFA 146, 09063					
ACDU	1	0	1311		
ACTIVITY TOTAL:	1	0			
VFA 147, 63925					
ACDU	1	0	1311		
ACTIVITY TOTAL:	1	0			
VFA 151, 09558					
ACDU	1	0	1311		
ACTIVITY TOTAL:	1	0			
VFA 192, 09076					
ACDU	1	0	1311		
ACTIVITY TOTAL:	1	0			
VFA 195, 09706					
ACDU	1	0	1311		
ACTIVITY TOTAL:	1	0			

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
VFA 22, 09561					
ACDU	1	0	1311		
ACTIVITY TOTAL:	1	0			
VFA 25, 09637					
ACDU	1	0	1311		
ACTIVITY TOTAL:	1	0			
VFA 27, 65185					
ACDU	1	0	1311		
ACTIVITY TOTAL:	1	0			
VFA 94, 09295					
ACDU	1	0	1311		
ACTIVITY TOTAL:	1	0			
VFA 97, 63923					
ACDU	1	0	1311		
ACTIVITY TOTAL:	1	0			
FLEET SUPPORT ACTIVITIES - NAVY					
Strike Fighter Weapons School Atlantic, 47084					
ACDU	10	0	1311		
ACTIVITY TOTAL:	10	0			
SWATSLANT, NAS Oceana, 47157					
ACDU	29	0	1311		
ACTIVITY TOTAL:	29	0			
Strike Fighter Weapons School Pacific, 35185					
ACDU	15	0	1311		
ACTIVITY TOTAL:	15	0			

Note: The Commands listed in this section will have SFTIs assigned.

II.A.1.c. TOTAL BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

DESIG/ RATING	PNEC/SNEC PMOS/SMOS	PFYs OFF	PFYs ENL	CFY01 OFF	CFY01 ENL	FY02 OFF	FY02 ENL	FY03 OFF	FY03 ENL	FY04 OFF	FY04 ENL	FY05 OFF	FY05 ENL
NAVY OPERATIONAL ACTIVITIES - ACDU													
1311		41		0		0		0		0		0	
NAVY FLEET SUPPORT ACTIVITIES - ACDU													
1311		54		0		0		0		0		0	
SUMMARY TOTALS:													
NAVY OPERATIONAL ACTIVITIES - ACDU													
		41		0		0		0		0		0	
NAVY FLEET SUPPORT ACTIVITIES - ACDU													
		54		0		0		0		0		0	
GRAND TOTALS:													
NAVY - ACDU													
		95		0		0		0		0		0	

II.A.3. TRAINING ACTIVITIES INSTRUCTOR AND SUPPORT BILLET REQUIREMENTS

DESIG RATING	PNEC/SNEC PMOS/SMOS	PFYs OFF	PFYs ENL	CFY01 OFF	CFY01 ENL	FY02 OFF	FY02 ENL	FY03 OFF	FY03 ENL	FY04 OFF	FY04 ENL	FY05 OFF	FY05 ENL
TRAINING ACTIVITY, LOCATION, UIC: Naval Strike and Air Warfare Center (TOPGUN), NAS Fallon, Nevada, 69190													
INSTRUCTOR BILLETS													
ACDU													
	1311	23	0	23	0	23	0	23	0	23	0	23	0
TOTAL:		23	0	23	0	23	0	23	0	23	0	23	0

II.A.4. CHARGEABLE STUDENT BILLET REQUIREMENTS

ACTIVITY, LOCATION, UIC	USN/ USMC	PFYs OFF	PFYs ENL	CFY01 OFF	CFY01 ENL	FY02 OFF	FY02 ENL	FY03 OFF	FY03 ENL	FY04 OFF	FY04 ENL	FY05 OFF	FY05 ENL
Naval Strike and Air Warfare Center (TOPGUN), NAS Fallon, Nevada, 69190													
	NAVY	0.0		0.0		0.0		0.0		0.0		0.0	
SUMMARY TOTALS:													
	NAVY	0.0		0.0		0.0		0.0		0.0		0.0	
GRAND TOTALS:													
		0.0		0.0		0.0		0.0		0.0		0.0	

Note: SFTIs do not generate chargeable billets.

II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS

DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS	BILLET BASE	CFY01 +/-	CFY01 CUM	FY02 +/-	FY02 CUM	FY03 +/-	FY03 CUM	FY04 +/-	FY04 CUM	FY05 +/-	FY05 CUM
a. OFFICER - USN													
Operational Billets ACDU and TAR 1311			41	0	41	0	41	0	41	0	41	0	41
Fleet Support Billets ACDU and TAR 1311			54	0	54	0	54	0	54	0	54	0	54
Staff Billets ACDU and TAR 1311			23	0	23	0	23	0	23	0	23	0	23
TOTAL USN OFFICER BILLETS:													
Operational			41	0	41	0	41	0	41	0	41	0	41
Fleet Support			54	0	54	0	54	0	54	0	54	0	54
Staff			23	0	23	0	23	0	23	0	23	0	23
b. ENLISTED - USN			NA										
c. OFFICER - USMC			NA										
d. ENLISTED - USMC			NA										

II.B. PERSONNEL REQUIREMENTS

II.B.1. ANNUAL TRAINING INPUT REQUIREMENTS

CIN, COURSE TITLE: S-2A-XXXX, Topgun Strike Fighter Tactics Instructor (Navy)
COURSE LENGTH: 10.0 Weeks **NAVY TOUR LENGTH:** 36 Months
ATTRITION FACTOR: Navy: 0% **BACKOUT FACTOR:** 0.20

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY01 OFF	CFY01 ENL	FY02 OFF	FY02 ENL	FY03 OFF	FY03 ENL	FY04 OFF	FY04 ENL	FY05 OFF	FY05 ENL
Naval Strike and Air Warfare Center (TOPGUN), NAS Fallon, Nevada												
	NAVY	ACDU	32		32		32		32		32	
		TOTAL:	32		32		32		32		32	

PART III - TRAINING REQUIREMENTS

The following elements are not affected by the SFTP, and therefore, are not included in Part III of this NTSP:

III.A. Training Course Requirements

III.A.1. Initial Training Requirements

III.A.2. Follow-on Training

III.A.2.b. Planned Courses

III.A.2.c. Unique Courses

III.A.3. Existing Training Phased Out

III.A.2. FOLLOW-ON TRAINING

III.A.2.a. EXISTING COURSES

CIN, COURSE TITLE: S-2A-XXXX, Topgun Strike Fighter Tactics Instructor (Navy)
TRAINING ACTIVITY: Naval Strike and Air Warfare Center (TOPGUN)
LOCATION, UIC: NAS Fallon, Nevada, 69190

SOURCE: NAVY **STUDENT CATEGORY:** ACDU - TAR

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
32		32		32		32		32		ATIR
32		32		32		32		32		Output
6.0		6.0		6.0		6.0		6.0		AOB
0.0		0.0		0.0		0.0		0.0		Chargeable

PART IV - TRAINING LOGISTICS SUPPORT REQUIREMENTS

The following elements are not affected by the SFTP, and therefore, are not included in Part IV of this NTSP:

IV.A. Training Hardware

IV.A.2. Training Devices

IV.B. Courseware Requirements

IV.B.1. Training Services

IV.C. Facility Requirements

IV.C.1. Facility Requirements Summary (Space / Support) By Activity

IV.C.2. Facility Requirements Detailed By Activity and Course

IV.C.3. Facility Project Summary by Program

PART IV - TRAINING LOGISTICS SUPPORT REQUIREMENTS

IV.A. TRAINING HARDWARE

IV.A.1. TTE / GPTE / SPTE / ST / GPETE / SPETE

CIN, COURSE TITLE: S-2A-XXXX, Topgun Strike Fighter Tactics Instructor (Navy)
TRAINING ACTIVITY: Naval Strike and Air Warfare Center (TOPGUN)
LOCATION, UIC: NAS Fallon, Nevada, 69190

ITEM NO.	EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
TTE					
001	Desktop Workstation	12	May 98	GFE	Onboard
002	Development Station	4	May 98	GFE	Onboard
003	Laptop	1	May 98	GFE	Onboard
004	Projectors	2	May 98	GFE	Onboard

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

CIN, COURSE TITLE: S-2A-XXXX, Topgun Strike Fighter Tactics Instructor (Navy)
TRAINING ACTIVITY: Naval Strike and Air Warfare Center (TOPGUN)
LOCATION, UIC: NAS Fallon, Nevada, 69190

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Computer Aide Instructions	1	Sep 98	Onboard
Course Outline	1	Jul 95	Onboard
Instructor Guide	1	Jul 95	Onboard
Interactive Courseware Lectures	1	Sep 98	Pending
Student Guides	1	Jul 95	Onboard

Note: The Course Outline, Instructor Guide, and Student Guides are saved on a computer and printed as needed.

IV.B.3. TECHNICAL MANUALS

CIN, COURSE TITLE: S-2A-XXXX, Topgun Strike Fighter Tactics Instructor (Navy)
TRAINING ACTIVITY: Naval Strike and Air Warfare Center (TOPGUN)
LOCATION, UIC: NAS Fallon, Nevada, 69190

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
Instruction (See note below) Strike Fighter Tactics Instructor and Strike Fighter Weapons and Tactics Program	Hard copy	1	Jul 95	Onboard

Note: The Instruction is COMNAVAIRPACINST 1525.1A/COMNAVAIRLANTINST 1525.1A/COMNAVAIRRESFORINST 1542.3A

PART V - MPT MILESTONES

COG CODE	MPT MILESTONES	DATE	STATUS
TSA	Began SFTI Follow-On Training	Jul 95	Complete
TSA	Delivered Curricula Materials	Jul 95	Complete
PDA	Conducted Analysis of MPT Requirements	Apr 98	Complete
OPO	Developed Draft NTSP	Apr 98	Complete
TSA	Began SFTS Initial Training	Aug 98	Complete
TSA	Delivered TTE	Aug 98	Complete
TSA	Installed TTE	Aug 98	Complete
OPTEVFOR	Conducted TECHEVAL	Apr 00	Complete
OPTEVFOR	Conducted OPEVAL	Jul 00	Complete
PDA	Begin Initial Fleet Introduction	Mar 01	Pending
TSA	Deliver and Install Courseware	Oct 01	Ongoing

PART VI - ACTION ITEMS / ACTION REQUIRED

ACTION ITEM OR ACTION REQUIRED	COMMAND ACTION	DUE DATE	STATUS
None			

PART VII - POINTS OF CONTACT

NAME / FUNCTION / ACTIVITY, CODE / INTERNET EMAIL	TELEPHONE NUMBERS
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PART VII - POINTS OF CONTACT

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NAME / FUNCTION / ACTIVITY, CODE / INTERNET EMAIL	TELEPHONE NUMBERS
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